

## **<sup>163</sup>Ta**

‘In “On-line separation of <sup>163</sup>Ta and <sup>162</sup>Ta” Liang et al. discovered <sup>163</sup>Ta in 1985 (1985Li14). A <sup>175</sup>LuF<sub>3</sub> powder target was bombarded by a 280 MeV <sup>3</sup>He beam. <sup>163</sup>Ta was separated with the Isocele-2 on-line separator at Orsay and X- and  $\gamma$ -ray spectra were measured. “By on-line selective separation on molecular fluoride compounds at the ISOCELE 2 facility, two new isotopes: <sup>163</sup>Ta ( $T_{1/2}=10.5\pm 1.8$  s) and <sup>162</sup>Ta ( $T_{1/2}=3.5\pm 0.2$  s) have been identified.”

Adapted from reference (2012Ro36)

1985Li14 C. F. Liang, P. Paris, M. G. Porquet, J. Obert, and J. C. Putaux, Z. Phys. A **321**, 695 (1985).

2012Ro36 R. Robinson and M. Thoennessen, At. Data Nucl. Data Tables **98**, 911 (2012).

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